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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/565,089

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EXAMINER

HUYNH, NAM TRUNG

ART UNIT

PAPER NUMBER

2617

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DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/565,089	Applicant(s) SCHMIDT ET AL.	
	Examiner NAM HUYNH	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 January 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 18-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 18-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

This office action is in response to preliminary amendment filed on 1/18/06. Of the previously presented claims 1-18; claims 1-18 were cancelled and claims 18-32 have been added.

Information Disclosure Statement

1. The information disclosure statement (IDS) submitted on 1/18/06 and 2/16/07 has been considered by the examiner.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 18-20, 22, and 24-32 are rejected under 35 U.S.C. 102(b) as being anticipated by Aho (US 2001/0005675).

Regarding claim 18, Aho teaches a method for transmitting a useful data object (multimedia message) from a switching component (MMSC) to a mobile station, comprising:

selecting at least one communication network in which the useful data object is to be transmitted (paragraphs 47, 51, 55, 74; The GGSN is located within the GPRS cellular network and the MMSC is located outside the GPRS cellular network such as the IP network of the operator. The message is sent to the mobile station from the GGSN and thus is sent in the GPRS cellular network. The Examiner takes the position that "selecting at least one communication network" occurs because the MMSC lies outside the GPRS network and the message is sent via the GPRS network thus showing that a network is selected); and

transmitting the useful data object from the switching component to the mobile station when it is determined that the mobile station is registered in the at least one selected communication network (paragraphs 53, 63; The message is sent to the mobile station if it is ready to receive data (i.e. a PDP-context is active with the GGSN). An active connection shows that the mobile station has registered with the network and in this case it is the GPRS network), and it is determined that the switching component has a delivery request for the useful data object (figure 3, item 31).

Regarding claim 19, Aho teaches the mobile station is notified by the switching component when the switching component has a useful data object for the mobile station (paragraph 77).

Regarding claim 20, Aho teaches the at least one communication network is selected with the aid of a selection device, with the selection device being assigned to the mobile station or the switching component (paragraph 69).

Regarding claim 22, Aho teaches the step of determining whether the mobile station has registered in one of the selected communication networks is performed by a determination device (GGSN) assigned to the mobile station or the switching component (paragraph 63).

Regarding claim 24, Aho teaches the mobile station sends the switching component the delivery request for the useful data object, either when it is determined by the mobile station that the mobile station has registered in one of the selected communication networks, or the mobile station is notified by the determination device assigned to the switching component that the mobile station has registered in one of the selected communication networks (paragraph 77).

Regarding claim 25, Aho teaches the switching component transmits the useful data object to the mobile station when the delivery request for the useful data object is sent from the mobile station to the switching component or the switching component already has a delivery request (figure 3, item 31).

Regarding claim 26, Aho teaches the useful data object is transmitted as a multimedia message in the context of the multimedia messaging service between the switching component and the mobile station (paragraph 76).

Regarding claim 27, Aho teaches the mobile station displays to a user, on receipt of a notification that a useful data object is available, the option of selecting from at least two of the following options: transmitting the useful data object from the switching component immediately, at a later time or after registration of the mobile station in the

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home network or in a previously selected network outside the home network (paragraph 77).

Regarding claim 28, Aho teaches the useful data object is sent from a data provision component (IP network) to the switching component for transmission to the mobile station (paragraph 55).

Regarding claim 29, Aho teaches at least one of the following information items contained in the useful data object is stored in a storage unit assigned to the mobile station: a status of the transmission process of the useful data object, the at least one selected communication network, a selected parameter(s), notification and messages, information specific the useful data object (paragraph 77).

Regarding claim 30, Aho teaches the storage unit assigned to the mobile station is a SIM card or a UICC card with a USIM application (paragraph 59).

Regarding claim 31, Aho teaches the storage, the receiving and sending of the useful data object, the selection of the communication network, the selection of the parameters and/or the display on the mobile station are executed by a software application on the mobile station (paragraph 77).

Regarding claim 32, the limitations are rejected as applied to claim 18.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148

USPQ 459 (1966), that are applied for establishing a background for determining

obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

6. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Aho (US 2001/0005675) in view of Trossen et al. (US 2004/0111476) (hereinafter Trossen).

Aho teaches the limitations set forth in claim 18, but does not explicitly teach the at least one communication network is selected as a function of at least one parameter, the parameter comprises one of cost of transmitting the useful data object, transmission time for the useful data object, size of the useful data object, the sender of the useful data object, and the nature of the useful data object. Trossen discloses a system provided for delivering media content (abstract). Trossen teaches selecting a network based on at least one parameter (recipient rule) based on transmission time (state information of whether the mobile station is in a low bandwidth or high bandwidth network) (paragraphs 32, 33). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the MMSC of Aho to include selecting a network to transmit the message based on transmission time, as taught by Trossen, in order to allow the MMSC to control the delivery of media content with rules

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which increase the customization and optimization of content delivery and creation of advanced services over MMS.

7. Claim 23 is rejected under 35 U.S.C. 103(a) as being unpatentable over Aho (US 2001/0005675) in view of Dorenbosch et al. (US 2003/0217174) (hereinafter Dorenbosch).

Regarding claim 23, Aho teaches the limitations set forth in claim 22, but does not explicitly teach the determination device notifies the mobile station that the mobile station has registered in one of the selected communication networks, when it is determined either by the switching component or by the assigned communication device that the mobile station has registered in one of the selected communication networks. Dorenbosch discloses an apparatus and method for establishing an IP session between a host and a mobile station (abstract). Dorenbosch teaches that a determination device (registrar) notifies the mobile station that the mobile station has registered (registration acknowledgment) in one of the selected communication networks, when it is determined either by the switching component or by the assigned communication device that the mobile station has registered in one of the selected communication networks (paragraph 26). Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the GGSN of Aho to include the notification of registration in initially setting up the connection, as taught by Dorenbosch, in order to allow the mobile station to conduct whatever transaction it

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wishes via the packet data network, for example read email, browse the Web or even receive push material from the host.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NAM HUYNH whose telephone number is (571)272-5970. The examiner can normally be reached on 8 a.m.-5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on 571-272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/George Eng/
Supervisory Patent Examiner, Art Unit 2617

NTH
11/20/08